

Subject

A syllabus has been developed as ENE-TRAP Training Scheme. Based on a modular approach, it foresees a general “Common Basis” and a series of specialised “Optional Modules” on occupational radiation protection in different installations where ionising radiation is applied. The modules offered comprise nuclear power plants, research reactors and fuel cycle industry and unsealed sources for non-nuclear industry and research laboratories.

Special features of the courses are active involvement of the participants by means of practice-oriented laboratory exercises, workshops and technical visits. A certificate will be issued upon successful completion of a training module. The certificates will be mutually recognised within the European Community facilitating international exchange of RP personnel.

The modules offered can be booked separately or as a complete European Radiation Protection Training Course ERPTC.

The participation in the whole ERPTC block meets the training needs of the European RPEs, e.g. Module 1 to 4 for RPEs in NPPs and Research Reactors, and Module 1 to 3 and 6 for RPEs in Non-Nuclear Industry and Research.

Not included is the On-the-Job Training part which might be offered on request.

Lecturers

Lectures will be given by internationally recognised experts from Karlsruhe Institute of Technology, the Nuclear Industry and other European organisations.

Target Group

The courses are designed for radiation protection professionals such as Radiation Protection Experts (RPE) and Radiation Protection Officers (RPO) who want to be trained according to the agreed standards or improve their knowledge in RP generally and/or with regard to occupational RP.



Programme

The “**Common Basis**” is constituted of three modules, lasting each about 1 week.

Module 1: deals with physics related to ionising radiation, e.g. radioactivity and nuclear physics, interaction of radiations with matter, quantities and units, biological effects of radiation and detection.

Module 2: covers fundamental aspects of the operational radiation protection, external and internal exposures, dose monitoring, regulatory context, natural sources, public and environmental RP, ethical considerations and communication.

Module 3: covers all other aspects common to the different domains of radioprotection, as for example transportation, accidental and the emergency situations, ALARA and safety culture, design issues and principles of waste management.

The “**Optional Modules**”, each lasting about 1 week, concern Radiation Protection in the different wide domains of activity.

Module 4: Radiation Protection in the domain of nuclear power plants and research reactors

Module 5: Waste Management and De-commissioning (on request)

Module 6: Research and non-nuclear domains, Unsealed Sources

ENETRAP II Project

The overall objective of this 7th Framework Programme project is to develop European high-quality "Reference Standards" and good practices for training in radiation protection (RP), specifically with respect to the radiation protection expert (RPE) and the radiation protection officer (RPO). These "Standards" will reflect the needs of the RPE and the RPO in all sectors where ionising radiation is applied.

It is envisaged that the outcome of this project will be instrumental for the cooperation between regulators, training providers and customers (nuclear industry, research, non-nuclear industry, etc.) in reaching harmonisation of the requirements for, and the education and training of RPEs and RPOs within Europe, and will stimulate building competence and career development in radiation protection to meet the demands of the future.

One major goal of ENETRAP II project is to monitor the effectiveness of the proposed methodologies by organising pilot sessions of selected training events within Work Package 8. The modular courses in the 1st phase are designed for RPE according to the agreed standards.



<http://enetrap2.sckcen.be/>

Information and Contact:

The Courses will be held in English language and as part of the activities of Work Package 8 of EU Project ENETRAP II.

Venue:

The Training Courses will take place at Karlsruhe Institute of Technology KIT, Center for Advanced Technological and Environmental Training

Introductory Fee (50%):

(if registered before 31/12/2010)

Module 1, 2, 4 each 620. - EUR

Module 3, 6 each 420. - EUR

Whole ERPTC (Module 1 – 3 and 6 or 1 - 4)

. 1680. - EUR

If not indicated otherwise, the course fee is free of VAT, includes lecture notes and refreshments and is to be paid within 2 weeks after receipt of the invoice. Otherwise reservation of a course vacancy cannot be guaranteed.

Number of Participants/Application:

Due to the practical parts the number of participants will be limited.

Information and Registration:

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I am interested in Module.....

Please keep me informed.

Name/Email.....



European Radiation Protection Training Scheme ERPTS - Pilot Modules-

Module 1: Basis

14/03-18/03/2011

Module 2: Foundation 1

21/03-25/03/2011

Module 3: Foundation 2

28/03-30/03/2011

Module 4: NPP and Research Reactors

04/04-08/04/2011

Module 6: Unsealed Sources, Research and Non-Nuclear

30/03-01/04/2011